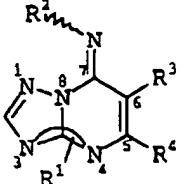


Claims:

1. Compounds of formula I

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I

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in which

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SUB

R¹ is C₁-C₁₀-alkyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₃-C₈-cycloalkyl-C₁-C₆-alkyl, C₂-C₁₀-alkenyl, C₂-C₁₀-alkynyl, C₄-C₁₀-alkadienyl, C₁-C₁₀-haloalkyl, trihydrocarbysilyl, formyl, C₁-C₁₀-alkanoyl or C₁-C₁₀-alkoxycarbonyl group being attached either to the nitrogen in the 3- or 4-position;

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A1

R² is hydrogen, C₁-C₁₀-alkyl, C₂-C₁₀-alkenyl, C₂-C₁₀-alkynyl, C₄-C₁₀-alkadienyl, C₁-C₁₀-haloalkyl, C₃-C₆-cycloalkyl, C₈-C₁₄-bicycloalkyl, phenyl, naphthyl, 5- or 6-membered heteroaryl or heterocyclic groups containing one to four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom as ring members;

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R³ is phenyl, C₃-C₆-cycloalkyl or 5- or 6-membered heteroaryl containing besides carbon atoms one to four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom as ring members;

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R⁴ is halogen, amino, C₁-C₁₀-alkoxy, C₁-C₁₀-haloalkoxy, C₁-C₁₀-alkylamino or di-C₁-C₁₀-alkylamino;

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wherein the bent line indicates that the double Bond may be located between the 3- and 9- position or the 4- and 9-Position; and the zigzag line indicates that the groups connected may have the (E)- or (Z)-configuration;

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R¹ to R⁴ groups independently from one another may be unsubstituted or substituted by one to three groups R^a:

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R^a halogen, nitro, cyano, hydroxy, C₁-C₆-alkyl, C₃-C₆-cycloalkyl, C₃-C₆-cycloalkenyl, C₁-C₆-haloalkyl, C₃-C₆-halocycloalkyl, C₁-C₆-alkoxy, C₁-C₆-haloalkoxy, tri-C₁-C₄-alkylsilyl, phenyl, halo- or dihalophenyl or pyridyl.

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2. Compounds of formula I according to claim 1 in which R¹ is a straight chained or branched C₁-C₆-alkyl, C₂-C₆-alkenyl or formyl.

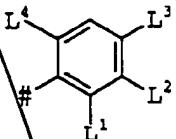
5 3. Compounds of formula I according to claim 1 in which R² represents a straight chained or branched C₁-C₆-alkyl, C₁-C₆-haloalkyl, C₃-C₈-cycloalkyl, C₅-C₈-bicycloalkyl or C₂-C₆-alkenyl.

10 4. Compounds of formula I according to claim 1 in which R³ represents optionally substituted phenyl.

5. Compounds of formula I according to claim 1 in which R⁴ represents halogen.

15 6. Compounds of formula I according to claim 1 in which R³ is an optionally substituted phenyl group of formula

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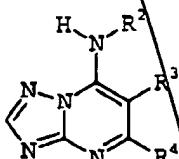


wherein # denotes the bond to the triazolopyrimidine ring and

25 L¹ is fluoro, L² is hydrogen or fluoro, L³ is hydrogen or fluoro or methoxy and L⁴ is hydrogen, fluoro or chloro.

7. A process for the preparation of compounds of formula I as defined in claim 1 which comprises treating compounds of formula II

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II

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III

in which

45 R¹ is as defined in claim 1, and X represents a leaving group, in the presence of a base or a buffer system.

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8. A fungicidal composition having a first compound of formula I as defined in claim 1 wherein R¹ is at the 3-position, and a second compound of formula I wherein R¹ is at the 4-Position.

5 9. A fungicidal composition which comprises a carrier and a fungicidal effective amount of at least one compound of formula I as defined in claim 1.

10. A method for controlling harmful fungi, which comprises treating the fungi or the materials, plants, the soil or the seed to be protected against fungal attack with an effective amount of a compound of the formula I as claimed in claim 1.

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